

Greenhouse Gas Emissions Task Force Member Biographies

Task Force Co-Chairs

Mr. Theodore E. Liu

Director

State of Hawaii, Department of Business, Economic Development, and Tourism

Liu, who was born in Taiwan and raised in Sao Paulo, Brazil, was a co-founder and partner of PacifiCap Group, LLC, a Honolulu-based private equity firm focused on venture capital investment, middle market equity, debt and strategic transactions, and corporate finance consulting. Prior to moving to Hawaii in 2000, Liu was a managing director of Morgan Stanley & Co. and headed the firm's investment banking business for China, Hong Kong, and Taiwan. He also served as deputy chief executive officer for China International Capital Corporation, China's first joint venture investment bank.

Liu was a senior associate and head of the China practice for the law firm of Skadden Arps Slate Meagher & Flom of New York and Hong Kong; chief executive officer of Public International Investments Ltd./First Shanghai Investments Ltd.; advisor to the New York Stock Exchange on a China-U.S. seminar on financial markets; and an associate with the New York law firm of Simpson Thatcher & Barlett. In 1980, Liu helped found *China Daily*, China's first English language newspaper.

Liu is a graduate of the University of Michigan and New York University School of Law.

As Director of the state Department of Business, Economic Development, and Tourism, Liu is charged with providing overall direction to fulfill DBEDT's mission, which is to support business, create jobs, and improve Hawaii's standard of living by diversifying the economy, expanding existing businesses, and attracting new economic activity. As DBEDT Director, Liu also serves as Hawaii's statewide Energy Resources Coordinator. The responsibilities of the Energy Resources Coordinator include establishment and coordination of programs to effectuate energy conservation, and formulating plans for the development and use of alternative energy sources, so that there will be maximum conservation and utilization of energy resources in the State. He is also charged with shaping policies that reduce Hawaii's greenhouse gas emissions and increase energy security.

Mr. Laurence K. Lau

Deputy Director for Environmental Health

State of Hawaii, Department of Health

Current Responsibilities:

Environmental Management, environmental quality, pollution control and prevention: Clean Air, Clean Water, Safe Drinking Water, Solid & Hazardous Waste, Wastewater;

Environmental Health Services, core public health functions, and more: Food & Drug Noise, Radiation, & Indoor Air Quality, Sanitation, Vector Control;

State Laboratories, support for entire Department in: Environmental Health, Medical Microbiology, Bio-terrorism;

Administration, support and service offices: Planning, support, water quality; Resources, fiscal and personnel; Compliance Assistance, small business assistance and advocacy; Hazard Evaluation & Emergency Response, help first responders and long term cleanups.

Other Work Experience:

Deputy Attorney General, State of Hawaii	Aug. 1975 – March 2003
Environmental Law (18 yrs), Civil Litigation (9 yrs), Other	
Law Clerk, Chief Justice William S. Richardson	Aug. 1974 – May 1975
Legislative Intern, U.S. Rep. Spark M. Matsunaga	June 1973 – Aug. 1973
Environmental Law Intern, Life of the Land	June 1972 – Aug. 1972

Formal Education

University of Michigan Law School, J.D.	May 1974
Harvard University, A.B. cum laude in Government	June 1971
Punahou School	1956 – 1967

Lau is responsible for programs in air quality, and environmental hazard evaluation, and environmental laboratory services, among many others.

<http://www.Hawaii.gov/health/environmental/>. He is Hawaii's director on The Climate Registry, a multi-state, multi-tribe, and North American program to provide a single, reliable register of greenhouse gas emissions by individual reporters. <http://www.theclimateregistry.org/>. He is a member of the Exchange Network Leadership Council, which makes policy for an EPA-States environmental data exchange system. <http://www.exchangenetwork.net/>. Before becoming a deputy at the Department of Health, he served as a State of Hawaii deputy attorney general specializing in environmental law for many years, starting in 1975.

Task Force Members:**Mr. Robbie Alm**

Senior Vice President, Public Affairs
Hawaiian Electric Company, Inc.

Robbie Alm is responsible for the Company's relationships with the community (and in particular, those communities in which it has its major facilities), its regulatory agencies (especially the Public Utilities Commission and the Consumer Advocate) and the State and County government. He is also responsible for the Company's communications activities, internally and externally. And he is also responsible for the Company's overall resource planning process and has been appointed to the State's Greenhouse Gas Emissions Reduction Task Force.

Previous to joining Hawaiian Electric, he served as Executive Vice President at First Hawaiian Bank and prior to that, Director of State Department of Commerce and Consumer Affairs. He also served on the staff of U.S. Senator Daniel K. Inouye.

Robbie is active in the community and serves on the Boards of Helping Hands Hawaii, Hawaii Public Television Foundation, Hawaii Institute for Public Affairs, Bishop Museum, Friends of Iolani Palace, Community Links Hawaii, and Sutter Health Pacific, among others. He teaches a graduate course on leadership in the University of Hawaii's Public Administration Program.

He is a graduate of University High School, University of Hawaii at Manoa (B.A. in Political Science), and University of Iowa School of Law (Juris Doctor w/ Distinction). He and his wife Cindy (an attorney and mediator) have two daughters, Kristin and Rachel.

Mr. Frank Clouse
Manager, Refining

Tesoro Hawaii Refinery

Frank Clouse is the Vice President of Refining for Tesoro Petroleum in Hawaii. He is responsible for the overall daily operations of the refinery.

Clouse began his career as a process engineer with Little America Refinery in Casper, Wyoming, and then joined Pacific Resources Inc. (PRI) in Hawaii as a process engineer and engineering supervisor in 1981. BHP Petroleum acquired PRI in 1989 and Frank held positions of increasing responsibility, including process manager, operations manager, and refinery manager. Frank also represented BHP in a joint venture with Shell Canada to develop a method to upgrade tar sands to economical synthetic crude.

The Waipio resident holds a bachelor's degree in chemical and petroleum refining engineering from the Colorado School of Mines in Golden, Colorado.

Dr. Makena Coffman

Assistant Professor

Department of Urban and Regional Planning

University of Hawaii at Manoa

Dr. Makena Coffman holds a BA in International Relations from Stanford University and a PhD in Economics from the University of Hawaii.

This fall Dr. Coffman is teaching a class on environmental planning entitled "Climate Change in the Asia/Pacific Region." In the spring she will offer courses on energy planning and environmental valuation. Dr. Coffman's research interest is in incentives to internalize environmental externalities through market-based mechanisms and policy solutions. She specializes in Computable General Equilibrium (CGE) modeling and her PhD dissertation looked at the effects of rising oil prices in Hawaii within the context of this theoretical framework. Dr. Coffman is a member of the University of Hawaii - Manoa Climate Change Commission.

Mark Fox

Director of External Affairs

The Nature Conservancy of Hawaii

Originally from the Big Island, Mark received his undergraduate and law degrees from Santa Clara University in Santa Clara, California. Mark practiced law from 1989 to 1993 with the Carlsmith law firm in Honolulu. He joined the Washington staff of U.S. Senator Daniel K. Inouye in 1994 handling issues related to the environment and agriculture. In 2000, Mark returned to Hawaii and joined The Nature Conservancy. Mark's work with The Conservancy includes government and agency relations.

The Nature Conservancy of Hawaii (<http://www.nature.org/hawaii>) is the Hawaii state chapter of The Nature Conservancy—a private, non-profit conservation organization with chapters in all 50 states and international programs throughout the Asia-Pacific region, Central and South America, and the Caribbean. Established in 1980, The Nature Conservancy of Hawaii manages a network of 11 preserves encompassing approximately 32,000 acres throughout the main Hawaiian Islands.

The Nature Conservancy (www.nature.org) is a member of the United States Climate Action Partnership (www.us-cap.org). The Conservancy supports a market-driven approach to GHG emission reductions including cap and trade programs that place specific limits on GHG emissions and create incentives for investment and innovation. We are strong proponents of a system that will recognize forest carbon offsets/credits through preventing deforestation and promoting reforestation in Hawaii and around the globe. And, we believe that it's important that reasonable financial resources be devoted to help both the human and natural worlds adapt to and cope with the inevitable effects of climate change. Nature Conservancy scientists are working around the world to better understand the impacts of climate change on plants, animals and their habitat. Additionally, Conservancy staff has been participating in climate change policy initiatives at the federal, state and regional levels (including the Northeast Regional Greenhouse Gas Initiative www.rggi.org and the Western Climate Initiative www.westernclimateinitiative.org). You can read more about the Conservancy's climate change initiative at www.nature.org/initiatives/climatechange/.

Dr. Lorenz Magaard
Professor of Oceanography
Chair, University of Hawaii at Manoa Climate Change Commission
School of Ocean and Earth Science and Technology (SOEST)
University of Hawaii at Manoa

Personal Data

Place of Birth: Wallsbuell, Germany

Citizenship: U.S.

Marital Status: Married with one child

Education

Christian-Albrechts-Universitaet zu Kiel, Kiel, Germany

Vordiplom (B.S.), 1958

Diplom (M.S.), 1961

Dr.rer.nat. (Ph.D.) 1963

Major: Mathematics; Minors: Physics and Oceanography

Professional Experience

University of Hawaii at Manoa

Department of Oceanography, Professor of Oceanography, 1975 – present

Department Chairperson, 1984 – 1990 and 2004 -2005

International Pacific Research Center (IPRC), Executive Associate Director, 1998 – pres.

International Center for Climate and Society (ICCS), Director, 2003 – present

School of Ocean and Earth Science and Technology (SOEST), Assoc. Dean, 1992 – 2000

Research Grants received at UH

More than 50 grants totaling more than \$ 14 million

Bibliography

More than 40 books and articles in refereed journals

Conference and other Presentations

Over 50 presentations (often invited) in Australia, Belgium, Canada, Denmark, England, Germany, Italy, Indonesia, Japan, Korea, New Zealand, Myanmar, Norway, Sweden, Switzerland, Taiwan, Thailand, Uruguay, USA, USSR

University Service at UH (selected)

Manoa Faculty Senate, 1987 – 1990 and 2003 – 2007

Manoa Climate Change Commission, Chair, 2007

Mr. Jeff Mikulina
Chapter Director
Sierra Club, Hawaii Chapter

Jeffrey Mikulina is the Director of the Sierra Club, Hawaii Chapter. He serves as the lobbyist and spokesperson for the organization that has a statewide membership of over 5,500. He returned to Hawaii after graduate study through a National Science Foundation Fellowship in engineering at the University of Illinois at Urbana-Champaign. Jeffrey has written on environmental issues for the *Boston Globe*, *Hana Hou! Magazine*, *Backpacker Magazine*, and other publications. He was featured in *Details Magazine* and in *Honolulu Magazine's* "Best of 2000." He was awarded an EPA Region 9 Environmental Hero Award in June 2003, and the *Honolulu Star-Bulletin* rated him as "10 who Made a Difference" in 2005. In 2007 he received training from former Vice President Al Gore on the climate change presentation featured in "An Inconvenient Truth" and was later appointed District Manager for Hawaii for Gore's Climate Project. Mikulina also served as Vice Chair of both the Honolulu Planning Commission and the 2005 – 2006 Honolulu Charter Commission where he authored successful Charter amendments that require island wide curbside recycling and creating a bike- and pedestrian-friendly Honolulu. Accomplishments with the Sierra Club include passing legislation that requires returnable deposits on all beverage containers, provides incentives for renewable energy use, and increases the funding of natural resources through tourism taxes.

Scholarly publications related to energy use include:

Mikulina, J, Zhu, Y., Thurston, D., "Energy Efficiency Uncertainty in Environmentally Conscious Design." IEEE Symposium on Electronics and the Environment Proceedings (May 1998).

Mikulina, Jeffrey, and Deborah Thurston. "Tough Choices: Integration of Environmental Protection in Design Optimization." Industrial Engineering Research Conference Proceedings (May 1998).

Mr. Gary North
Senior Vice President – Pacific
Matson Navigation Company

Gary J. North is senior vice president, Pacific, of Matson Navigation Company, Inc. (Matson) and president of Matson Terminals, Inc. Based in Honolulu, North directs and administers all sales/marketing, administration and operations for Matson's Pacific area, which includes Hawaii and Guam. His responsibilities encompass all Pacific vessel, barge, container operations, stevedoring and terminal operations.

He is also chairman of Hawaii Harbor Users Group (HHUG):

Background:

- Hawaii ports users face limitations on the availability of berth and terminal resources.
- Ports play critical role in the economic life of the islands.
- There is a looming shortage of port facilities due to growth in intra and interstate cargoes, the cruise ship business and the inter-island ferry service.
- Any reserve capacity will soon be gone

Purpose:

- Establish a marine transportation industry group to develop a set of priorities for future port development.
- Help DOT/Harbors to obtain mandates, approvals and financing to implement projects to meet the transportation needs of the community

HHUG Membership:

- Started March 2005

- Incorporated, non-profit maritime transportation industry group (self-funding)
- Brought the Hawaii maritime industry together as one voice to work with DOT-Harbors
- Key Harbor users:
 - Matson Navigation Company
 - Horizon Lines, Ltd.
 - Young Brothers/Hawaii Tug & Barge
 - Sause Brothers
 - Aloha Cargo Transport (ACT)
 - McCabe Hamilton & Renny Stevedores
 - Hawaii Stevedores
 - Norwegian Cruise Lines
 - Hawaii Superferry
 - Tesoro
 - The Gas Company
 - Ameron Hawaii
 - Hawaiian Cement

North's association with Matson dates back to 1967, when he started with the company as a cargo planner in Hawaii's freight department. In the following three years, he held sales and booking positions in the company's freight marketing and operations departments. He transferred to San Francisco in 1970 as fleet operations supervisor. In 1971, he accepted a management position with Seatrain Lines, and in 1974 joined U.S. Lines (US). During his career at U.S. Lines, he held various senior management positions on the U.S. East and West Coast. He also served as vice president, Far East, and was based in Hong Kong for five years. In 1986, he was promoted to executive vice president, Pacific Services, and returned to the East Coast.

He rejoined Matson as vice president, area manager, Hawaii, in 1987. In 1989 he was promoted to vice president, operations, and transferred to Matson's headquarters in San Francisco. In 1991, he was assigned the additional responsibility of serving as president of Matson Terminals, Inc. He was made senior vice president of Matson Navigation Company in 1993. In 2002, he was named senior vice president, Pacific, and in 2003, he transferred from San Francisco to Honolulu.

North has a B.S. in Business from Brigham Young of the Pacific. He is also a graduate of the Massachusetts Institute of Technology's Program for Senior Executives.

Mr. Gareth Sakakida
Managing Director
Hawaii Transportation Association

The Hawaii Transportation Association (HTA), founded in 1938 and incorporated in 1963, is a private, non-profit trade organization dedicated to the service and assistance to the ground transportation industry in the state. HTA is made up of approximately 350 regulated carrier, private carrier, and allied industry members. The association serves as a central source of information by conducting research and education programs for its members. It also represents the industry's interests before county, state and federal agencies as well as county councils, the state legislature and Congress.

Sakakida serves as Managing Director of the Hawaii Transportation Association. His duties include managing, and setting policies for association staff; keeping members informed of industry changes and requirements; interacting with Federal, State, and County agencies on various issues; representing the commercial ground transportation industry before the U.S. Congress, State Legislature, County Councils, and before the media; and interfacing with the general public.